

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 200209661-5	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, Item 5 below.
International application No. PCT/US2004/020677	International filing date (day/month/year) 25/06/2004	(Earliest) Priority Date (day/month/year) 03/07/2003	
Applicant HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.			
<p>This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This International Search Report consists of a total of 4 sheets.</p> <p><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>			
<p>1. Basis of the report</p> <p>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. <input type="checkbox"/> With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (See Box II).</p> <p>3. <input type="checkbox"/> Unity of invention is lacking (see Box III).</p> <p>4. With regard to the title,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows:</p>			
<p>5. With regard to the abstract,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p> <p>6. With regard to the drawings,</p> <p>a. the figure of the drawings to be published with the abstract is Figure No. 2.</p> <p><input type="checkbox"/> as suggested by the applicant.</p> <p><input checked="" type="checkbox"/> as selected by this Authority, because the applicant failed to suggest a figure.</p> <p><input type="checkbox"/> as selected by this Authority, because this figure better characterizes the invention.</p> <p>b. <input type="checkbox"/> none of the figures is to be published with the abstract.</p>			

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/020677A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41J2/14 B41J2/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 067 653 A (KONISHIROKU PHOTO IND) 22 December 1982 (1982-12-22)	1-7, 12-15, 18,20,22
Y	page 12, line 24 - page 16, line 3	8-11,16, 17,19, 21,23,24
Y	US 6 471 339 B1 (IMANAKA YOSHIYUKI ET AL) 29 October 2002 (2002-10-29)	8-11,16, 17,19, 21,23,24
Y	column 6, line 55 - column 7, line 5; figures 1,7	8-11,16, 17,19, 21,23,24
Y	EP 1 125 745 A (CANON KK) 22 August 2001 (2001-08-22)	8-11,16, 17,19, 21,23,24
	paragraph '0062! - paragraph '0066!; figures 2,3	8-11,16, 17,19, 21,23,24

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

• Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

C document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

D document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

15 October 2004

Date of mailing of the international search report

27/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5816 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Urbaniec, T

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/020677

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 367 911 B1 (WINDEL HARALD ET AL) 9 April 2002 (2002-04-09) column 3, line 36 - line 50; figure 2	1-7, 12-16, 20-22

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No	
PCT/US2004/020677	

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0067653	A	22-12-1982	JP	57205163 A		16-12-1982
			JP	58005261 A		12-01-1983
			EP	0067653 A2		22-12-1982
US 6471339	B1	29-10-2002	JP	3143549 B2		07-03-2001
			JP	7076077 A		20-03-1995
			US	6257695 B1		10-07-2001
			AT	199231 T		15-03-2001
			AU	677086 B2		10-04-1997
			AU	7290494 A		23-03-1995
			CA	2131423 A1		09-03-1995
			CN	1104151 A ,B		28-06-1995
			DE	69426717 D1		29-03-2001
			DE	69426717 T2		02-08-2001
			EP	0641656 A2		08-03-1995
			ES	2154668 T3		16-04-2001
			KR	138202 B1		15-05-1998
			US	5943070 A		24-08-1999
EP 1125745	A	22-08-2001	JP	2001232776 A		28-08-2001
			JP	2001232796 A		28-08-2001
			JP	2001232814 A		28-08-2001
			JP	2001232797 A		28-08-2001
			JP	2001315356 A		13-11-2001
			EP	1125745 A2		22-08-2001
			US	2001038396 A1		08-11-2001
US 6367911	B1	09-04-2002	DE	4424771 C1		23-11-1995
			DE	59503508 D1		15-10-1998
			EP	0691205 A2		10-01-1996